

Information relating to works undertaken on Council owned property to improve the thermal performance, energy use and efficiency.

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### **Progress update**

Leisure@ refurbishment 2007\_8 following the July 2007 flooding.

- installed a more efficient CHP unit (85% efficient compared with previous plant of 75% efficiency).
- Thermal modulating burners and new condensing boilers installed.
- Thermal wheels incorporated into air handling units covering Dry Side.
- Main AH unit 1/2 improved controls and recirculation modules (this provides ventilation to the pools)
- 200mm highly efficient insulation boarding fixed to the whole underside of the pools to reduce heat loss.
- Kitchen equipment – heat induction gas.
- Improved efficient to Sports Hall. Controls improved.
- TRV fitted to all radiators across centre.
- PIR Lighting controls to all squash courts.
- PIR Lighting controls to storage areas.
- POW Stadium all refurbished areas lighting controls added.
- Main stadium floodlights 9 out of the 24 heads replaced with more efficient lighting – controls improved.
- All showers and hand basins changed to push button control. Blenders on sink control.
- All wc's have limited flush capacity and urinals have controls.
- All lights are low energy high frequency fittings.

Municipal Offices - Estimated £4000 spent on energy saving devices

- Floodlights switched off
- Low energy lighting installed in corridors.
- Spot lights changed to low voltage
- Office lighting 60W high frequency
- Individual pull switch light controls on office lighting
- PIR activated lighting located in staff exit corridors.
- PIR activated lighting in all toilets
- Photocells on all security lighting
- Automatic hand dryers and paper towels in toilets
- Water controls on all urinals
- Mixer taps and blenders installed in all kitchens and toilets
- Timers on water heaters in kitchens
- TRV controls on all radiators
- Inverter drives on the majority of air con condenser units
- The majority of portable air con units removed from the building
- Plastic recycling within kitchens

- Paper recycling to Offices
- New ICT server room in Basement- efficient air cooling and early flood and fire detection
- Solar reflective blinds installed on appropriate windows
- Energy training and audits carried out throughout building. Each office checked for computer monitors left on, lights, phone chargers etc and individuals informed.

#### Town Hall-

- Boilers replaced with efficient equipment including heat recovery. (Anticipated 15% saving on gas bill = £2000/annum)
- Hot water heating supply boiler upgraded
- Extract ventilation upgraded
- Offices refurbished. Open plan design with thermal insulation of roof space upgraded. High frequency lighting included. TRV on radiators.
- Existing floor replaced with wood from sustainable source.
- Stage lift refurbished with more efficient controls

#### Pittville Pump Rooms

- New DDA compliant lift installed
- Boilers replaced with high efficiency type. Radiator panels in walls insulated and controls improved. (Anticipated 15% saving on gas bill = £1000/annum)
  - Existing floor replaced with wood from sustainable source.

#### Horse & Groom (agenda 21)

- External repairs and redecoration plus reroofing of the lower level. Natural Welsh reclaimed slates and natural latex 'green' external paint system.

#### Agg Gardners Pavilion

Estimated £1000 spent on energy saving devices.

- Refurbishment to inclusive design.
- TRV on heating system
- time clocks on heating controls
- PIR lighting sensors
- Thoroughly insulated roof space.
- Water save shower facilities
- All services insulated.
- Light sensors on all external security lighting.

Beeches Pavilion- ( existing energy bills £1000/annum- anticipate 40% improvement)

Energy saving devices solar panels and water accumulators cost £4300 plus £3000 light and fan/ventilation controls = total £7300

- Beeches pavilion refurbished. Lighting and water controls, solar panels installed to assist hot water services. Removed old water storage tanks and installed accumulators to give pressured water without the need for pumps. Insulated roof space.
- Light sensors on all external security lighting.

#### **Pittville Toilet Refurb**

**£1000 on energy saving devices**

- **PIR lighting sensors and improved ventilation**
- **thoroughly insulated roof space.**
- **Water controls on all urinals**

#### **Art Gallery & Museum**

- **Library side Boiler replaced with condensing type. (Anticipated 15% saving on gas bill = £1000/annum)**

- **Currently experimenting with the use of PIR's in locations**

#### **Grosvenor Terrace Carpark**

- **2 new DDA compliant lifts refurbished with new efficient controllers**
- **Light fittings replaced with time clock controls**
- **Solar powered pay machines installed on the majority of carparks.**

#### **Allotments**

- **New composting toilets installed on 10 sites each with lighting controlled by solar panels**

#### **Swindon Road Depot**

- **Drying room provided for staff.**
- **Toilets refurbished with water and lighting controls**

#### **Montpellier Gardens HLF project**

- **Proscenium building refurbished incorporating underfloor heating and efficient lighting controls.**
- **Montpellier toilets refurbished incorporating efficient water and light controls. Roof water removed from combined foul sewer.**

#### **Oakley Community Centre includes Clyde sports pavilion**

**Constructed new modern community centre complying with latest building regs.**

**Installed underfloor heating.**

**Efficient heating and lighting controls**

#### **Springbank Community Centre**

- **Constructed new modern community centre complying with latest building regs.**
- **Installed under floor heating.**
- **Efficient heating and lighting controls**

#### **Priors Road (75-79) Shops**

- **New roof covering fully insulation to latest Building Regs standard.**

#### **Central Nursery Cottages**

- **Cavity insulation to two properties**